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1. A dose of multilayer synthetic resin for the realization of multilayer objects by compression molding, said dose having an axis of symmetry and comprising a first synthetic resin (2) and at least one thin functional layer (3) of synthetic resin forming the outer shell of a body of revolution defined about said axis of symmetry, said body of revolution comprising two ends disposed in a direction parallel to the axis of symmetry, said functional layer (3) being totally imprisoned in said first synthetic resin (2), characterized in that the ends (6, 7) are at a distance of at least 50 microns from the surface of the dose.
2. The dose as claimed in claim 1, characterized in that the thin functional layer (3) itself forms a multilayer structure comprising a layer of barrier resin imprisoned between two layers of adhesive resin.
3. The dose as claimed in either of the preceding claims, characterized in that both ends of the functional layer are open.
4. The dose as claimed in claim 1 or 2, characterized in that one of the two ends of the functional layer is open and the other end is closed.
5. The dose as claimed in claim 1 or 2, characterized in that both ends of the functional layer are closed.
6. A multilayer object obtained by compression molding from a dose as claimed in any one of claim 1 to 5, said object containing an inner face and

an outer face, said inner face defining the inner part of a packaging, said object being formed of said first synthetic resin (2) and said thin functional layer (3), said functional layer (3) being imprisoned in the wall of said object and forming a fold, said object being characterized in that the functional layer (3) is totally absent from said inner face.

7. A production method for doses such as defined in any one of claims 1 to 5, comprising a step according to which the resins are coextruded so as to form a multilayer flow, said flow being periodically cut so as to form individual portions, said portions being transferred into a compression mold, characterized in that said portions are deformed in such a way as to cover over the ends of the functional layer (3) with the first synthetic resin (2).
8. The method as claimed in the preceding claim, characterized in that said portions are deformed during the cutting.
9. The method as claimed in claim 7, characterized in that said portions are deformed during their transfer into the mold.
10. The method as claimed in claim 7, characterized in that said portions are deformed once they are in the mold.
11. A method for producing doses such as defined in any one of claims 1 to 5, comprising a step in which the resins are coextruded in one and the same direction, characterized in that it comprises, in succession, a covering step in which solely said first resin (2) is extruded, a

coextrusion step and a further covering step so as to totally imprison said functional layer (3).